

# Appendix G Additional Password Security and Resetting CMOS

This workstation supports security password features, which can be established through the Computer Setup Utilities menu. These features are:

- setup password
- power-on password

When you establish only a setup password, the power-on password is required to access Computer Setup and any other information on the workstation. When you establish both passwords, only the setup password will give you access to Computer Setup.

When both passwords are set, the setup password can also be used in place of the power-on password as an override to log in to the workstation. This is a useful feature for a network administrator.

If you forget the password for the computer, there are two method for clearing that password so you can gain access to the information on the workstation.

- resetting the password jumper
- using the Clear CMOS button



**CAUTION** Pushing the CMOS button resets CMOS values to factory defaults and erases any customized information including passwords, asset numbers, and special settings. It is important to back up the workstation CMOS settings before resetting them in case they are needed later. To back up the CMOS settings, use Computer Setup and run the Save to Diskette option from the File menu.

## Resetting the Password Jumper

To disable the power-on or setup password features and clear the power-on and setup passwords:

- 1 Shut down the operating system and then turn off the workstation and any external devices. Disconnect the power cord of the workstation and any external devices from the power outlets.
- 2 Disconnect the keyboard, monitor, and any other external devices that are connected to the workstation.



**WARNING!** To reduce the risk of personal injury from electrical shock and hot surfaces, be sure to disconnect the power cord from the wall outlet and allow the internal system components to cool before touching.



**CAUTION** When the workstation is plugged in, the power supply always has voltage applied to the system board even when the unit is turned off. Failure to disconnect the power cord can result in damage to the system.

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**CAUTION** Static electricity can damage the electronic components of the workstation or optional equipment. Before beginning these procedures, be sure that you are discharged of static electricity by briefly touching a grounded metal object.

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- 3 Remove the access panel.
  - 4 Locate the password header and jumper. The password header is J64.
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**NOTE** The password jumper is green so that it can be easily identified. For assistance locating the password jumper and other system board components, refer to [“System Board Components” on page 67](#).

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- 5 Remove the jumper from either pin 1 or 2. Place the jumper on pins 1 and 2 (connecting both pins together).
- 6 Replace the access panel.
- 7 Reconnect the external equipment.
- 8 Plug in the workstation and turn on the power. Allow the operating system to start. This clears the current passwords and disables the password features.
- 9 To establish new passwords, repeat steps 1 through 4, replace the password jumper on either pin 1 or pin 2 (but not both), then repeat steps 6 through 8. Establish the new passwords in Computer Setup.

## Clearing and Resetting the CMOS

The CMOS of the workstation stores password information and information about the workstation configuration. This section describes the steps to successfully clear and reset the CMOS.

### Using the CMOS Button

- 1 Shut down the operating system and then turn off the workstation and any external devices. Disconnect the power cord of the workstation and any external devices from the power outlets.
  - 2 Disconnect the keyboard, monitor, and any other external devices that are connected to the workstation.
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**WARNING!** To reduce the risk of personal injury from electrical shock and hot surfaces, be sure to disconnect the power cord from the wall outlet and allow the internal system components to cool before touching.

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**CAUTION** When the workstation is plugged in, the power supply always has voltage applied to the system board even when the unit is turned off. Failure to disconnect the power cord can result in damage to the system.

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**CAUTION** Static electricity can damage the electronic components of the workstation or optional equipment. Before beginning these procedures, be sure that you are discharged of static electricity by briefly touching a grounded metal object.

- 3 Remove the access panel.



**CAUTION** Pushing the CMOS button resets CMOS values to factory defaults and erases any customized information including passwords, asset numbers, and special settings. It is important to back up the workstation CMOS settings before resetting them in case they are needed later. To back up the CMOS settings, use Computer Setup and run the Save to Diskette option from the File menu.

- 4 Locate, press, and hold the CMOS button in for five seconds.



**NOTE** Be sure that the AC power cord is disconnected from the power outlet. The CMOS button does not clear CMOS if the power cord is connected.



**NOTE** For assistance locating the CMOS button and other system board components, refer to [“System Board Components” on page 67](#).

- 5 Replace the access panel.
- 6 Reconnect any external devices.
- 7 Plug in the workstation power and turn the power back on.



**NOTE** The workstation passwords and any special configurations along with the system date and time will have to be reset.

## Using Computer Setup to Reset CMOS

To reset CMOS using Computer Setup, access the Computer Setup Utilities menu. When the Computer Setup message appears in the lower-right corner of the screen, press the F10 key. Press Enter to bypass the title screen, if necessary.



**NOTE** If you do not press the **F10** key while the message is displayed, the workstation must be turned off, then on again, to access the utility.

From the Computer Setup menu, select **File>Set Defaults** and **Exit**. This restores the soft settings that include boot sequence order and other factory settings. It does not, however, force hardware rediscovery.



**NOTE** The workstation passwords and any special configurations along with the system date and time will have to be reset.

